| Index of Claims  | Application No.      | Applicant(s) |
|--|----------------------|--------------|
| 8 8 8 8 11 8 11 8 8 11 8 8 11 8 1 8 11 8 1 8 11 8 1 8 11 1 8 8 1 8 1 1 1 1 1 8 8 1 | 10/699,903           | LYONS ET AL. |
|  | Examiner             | Art Unit     |
| ######################################   | Victor A Mandala Jr. | 2826         |

| 1 | Rejected |   | (Through numeral)<br>Cancelled | N | Non-Elected  | A | Appeal   |
|---|----------|---|--------------------------------|---|--------------|---|----------|
| = | Allowed  | ÷ | Restricted                     | ı | Interference | 0 | Objected |

| Cla  | aim      |  |              |          | [  | Dat      | е  |  |          |   |      | Cla   | im           |                        |          |          | D        | ate             |          |         |           | ]    |                 | Cla   | aim          |          |          |          |          | ate      |          |          | _         |          |
|--|----------|--|--------------|----------|--|----------|--|--|----------|---|------|-------|--------------|------------------------|----------|----------|----------|-----------------|----------|---------|-----------|------|-----------------|-------|--------------|----------|----------|----------|----------|----------|----------|----------|-----------|----------|
|  | <u></u>  | 4  |              |          | i  |          |  |  |          |   | . ·  |       | <del>o</del> |                        | -        |          |          |                 |          | 1       |           | . 1  | 1               |       | <del>-</del> | İ        | - 1      |          |          |          |          |          |           |          |
| Final  | Original | 10/16/04   |              |          | 1  | İ        |  |  |          |   |      | Final | Original     |                        | - 1      |          | -        |                 | -        |         |           | 1    | ı               | Final | Original     |          | ı        |          |          |          |          |          |           |          |
| 证  | Ö        | ò  |              | 1        |  | ŀ        |  |  | 1        |   |      | 证     | Ö            |                        |          |          | -        |                 |          | 1       |           |      |                 | ű.    | Ö            | ı        | - 1      |          | ı        |          |          |          |           |          |
|  |          |  | <u></u>      | <u> </u> | _  |          | <u> </u>   |  | Ш        |   |      |       |              |                        |          | _        | _        | _               | 4        | 4       | _         |      | Ļ               |       |              | _        | 4        | 4        | _        | _        | _        | _        | _         | _        |
|  | 1        | 1  | _            | _        | <u> </u>   | L        | Ļ  |  | Щ        |   |      |       | 51           |                        |          |          | _        | _               | _        | _       |           |      | ļ               |       | 101          | 4        | 4        | 4        | _        | _        | _        | _        | _         | ᆚ        |
|  | 2        | 1  | _            | _        | _  | <u> </u> | _  | <u> </u>   | Ш        |   |      |       | 52           |                        | _        | _        | -        | _               | $\perp$  | $\perp$ | $\perp$   | ١.   | L               |       | 102          | _        | 4        | 4        | _        | _        |          | $\dashv$ | $\dashv$  | ႕        |
|  | 3        | 1  |              | <u> </u> | <u> </u>   | _        | _  | <u> </u>   | Ш        |   |      |       | 53           |                        | _        |          |          |                 |          |         |           | 100  | ŀ               |       | 103          |          | _        | 4        | -        | $\dashv$ | -        | -        |           |          |
|  | 4        | 1  |              | _        |  | _        | <u> </u>   | <u> </u>   | Н        |   |      |       | 54           | -                      |          | -        |          |                 | -        | +       | -         | 4    | ŀ               |       | 104          | $\dashv$ | +        | $\dashv$ |          |          |          |          | -         |          |
|  | 5        | 1  | _            | _        | <del> </del>                                     | _        | <del> </del>                                     | ⊢  | -        |   |      |       | 55           | $\left  \cdot \right $ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$        | +        | +       | +         | -    | ŀ               |       | 105<br>106   | $\dashv$ | +        | +        | $\dashv$ | $\dashv$ | -        | $\dashv$ | $\dashv$  | $\dashv$ |
|  | 6<br>7   | 1  |              |          | ├  |          | -  | $\vdash$   | Н        |   | 1    |       | 56<br>57     |                        | $\dashv$ |          | -        | $\dashv$        | +        | +       |           | ┨.:  | ŀ               |       | 107          | $\dashv$ | +        | $\dashv$ | $\dashv$ | $\dashv$ | -        | $\dashv$ | $\dashv$  | $\dashv$ |
|  | 8        | N  | -            | -        | ┢  | $\vdash$ | ┢  | ⊢  | $\vdash$ |   |      |       | 58           | $\vdash$               | -        |          | $\dashv$ | -               |          | +       | +         | ┨    | -               |       | 108          | +        | +        | $\dashv$ | -        | -        |          | -        | $\dashv$  | $\dashv$ |
|  | 9        | N  |              |          | <del>                                     </del> |          | <del>                                     </del> | _  | $\vdash$ |   |      |       | 59           | Н                      | -        | +        | $\dashv$ | $\dashv$        | +        | +       | ╅         | 1    | H               |       | 109          | -+       | +        | $\dashv$ | $\dashv$ | $\dashv$ |          | $\dashv$ | $\dashv$  | $\dashv$ |
|  | 10       | N  | -            |          | ┢  | -        | <del>                                     </del> | ┢  | Н        |   | 7    |       | 60           | Н                      | -        | -        | -        | -               |          | ╁       | -         | 1    | ŀ               |       | 110          | -        | -+       | ┪        | $\dashv$ | $\dashv$ | $\dashv$ | -        | -         | $\dashv$ |
| <u> </u>   | 11       | N  | -            | $\vdash$ | <del>                                     </del> |          | <del> </del>                                     |  | $\vdash$ |   | 1    |       | 61           | $\vdash$               | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$        | +        | +       | +         | 1    | ŀ               |       | 111          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -        | $\dashv$ | $\dashv$  | $\dashv$ |
|  | 12       | N  |              | $\vdash$ | <u> </u>   |          | <del> </del> -                                   | ┢  | $\vdash$ |   |      |       | 62           | H                      | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$        | +        | +       | +         | 1    | ŀ               |       | 112          | $\dashv$ | $\dashv$ | +        | $\dashv$ | 一        | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$ |
| <b>-</b>   | 13       | N  | -            | $\vdash$ | t  |          | t  | Н  | H        |   | 1.   |       | 63           | $\vdash$               | $\dashv$ | ᅱ        | -        | $\dashv$        | +        | +       | $\top$    | ١. ١ | : <del> -</del> |       | 113          | $\dashv$ | $\dashv$ | +        | _        | $\dashv$ |          | $\dashv$ | $\dashv$  | $\dashv$ |
|  | 14       | N  | $\vdash$     | $\vdash$ | $\vdash$   | ┢┈       | <del> </del> -                                   | <del>                                     </del> | H        |   | 1    |       | 64           | $\vdash$               | $\dashv$ | -        | $\dashv$ | $\dashv$        | $\dashv$ | +       | $\top$    | 1    | 1               |       | 114          | $\neg$   | -        | 7        | -        | $\neg$   |          | $\neg$   | $\dashv$  | ᅱ        |
|  | 15       | N  | $\vdash$     | $\vdash$ | t  | $\vdash$ | t  | $\vdash$   | H        | _ |      |       | 65           | -                      | $\neg$   | 7        | -        | $\neg \uparrow$ | _        | +       | $\top$    | 1    | ŀ               |       | 115          | 十        | $\top$   | +        | _        | $\dashv$ |          | 一        | 一         | ᅱ        |
|  | 16       | N  | <u> </u>     | $\vdash$ | $\vdash$   | $\vdash$ | T  | Г  | П        | _ |      |       | 66           | $\sqcap$               | $\dashv$ | 寸        | $\dashv$ | $\dashv$        | $\top$   | 十       | $\top$    | 1    | ŀ               |       | 116          | $\dashv$ | _        | 7        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$  | ㅓ        |
|  | 17       | N  | Т            |          | T  |          | <u> </u>   | <del> </del>                                     | М        | _ |      |       | 67           | П                      |          | 1        | $\dashv$ | $\dashv$        | $\top$   | $\top$  | $\top$    |      | :               |       | 117          | 1        | $\dashv$ | 1        |          |          |          | $\dashv$ | $\dashv$  | $\dashv$ |
|  | 18       | N  |              |          |  |          |  |  |          |   |      |       | 68           |                        |          |          |          |                 | _        | 1       |           | 1    | ò               |       | 118          |          | $\dashv$ | ٦        |          |          |          |          | $\neg$    | _        |
|  | 19       | N  |              |          |  |          | Ī  |  |          |   |      |       | 69           |                        |          |          |          |                 | _        | 7       | _         | 1    |                 |       | 119          | $\Box$   | $\dashv$ | ٦        | $\neg$   |          |          | $\neg$   |           | _        |
|  | 20       | N  |              |          |  |          | Г  | Г  |          |   | - 3  |       | 70           |                        | $\neg$   |          |          |                 |          | 7       | $\top$    |      |                 |       | 120          |          | $\dashv$ |          |          |          |          |          |           | $\neg$   |
|  | 21       |  |              |          | İ  |          | П  |  |          |   | 4-   |       | 71           |                        | $\sqcap$ |          |          |                 |          | 1       | $\neg$    | 1    | 1               |       | 121          |          | $\neg$   |          | 一        |          |          |          | $\neg$    | $\neg$   |
|  | 22       |  | П            |          |  |          |  |  | П        |   |      |       | 72           |                        | $\neg$   |          |          |                 | T        |         | $\neg$    | 1    | 4               |       | 122          |          | $\neg$   |          |          |          |          | $\neg$   | $\neg$    | $\neg$   |
|  | 23       |  |              |          |  |          |  |  |          |   |      |       | 73           |                        |          |          |          | $\neg$          |          |         |           |      | 3               |       | 123          |          |          |          |          |          |          |          |           |          |
|  | 24       |  |              |          |  |          |  |  |          |   |      |       | 74           |                        |          |          |          |                 |          |         |           |      | ٠E              |       | 124          |          |          |          |          |          |          |          |           |          |
|  | 25       |  |              |          |  |          |  |  |          |   | ,    |       | 75           |                        |          |          |          |                 | ┙        | $\perp$ |           | ]    | ų.              |       | 125          |          |          |          |          |          |          |          |           |          |
|  | 26       |  |              |          |  | <u></u>  | 丄  | L  |          |   |      |       | 76           |                        |          |          |          |                 |          |         | $\perp$   |      |                 |       | 126          |          |          |          |          |          |          |          |           |          |
|  | 27       | _  | _            |          | <u> </u>   | _        | L  | L  |          |   |      |       | 77           |                        |          | _        | _        | _               | _ _      | _ _     |           | 1    | L               |       | 127          |          | _        |          | _        |          |          |          | _         |          |
|  | 28       |  |              |          | ļ  | _        | L  |  |          |   | 1 :  |       | 78           |                        |          |          | _        | _               | 4        | _       | _ _       | 4    | L               |       | 128          | $\perp$  | _        | _        | _        | _        |          |          | _         | _        |
|  | 29       |  |              |          | <u> </u>   | _        | <u> </u>   |  |          |   |      |       | 79           |                        |          | 4        | _        | _               | _        | 4       |           | 1    | 1               |       | 129          |          | 4        | _        | _        | _        |          | _        | _         | _        |
|  | 30       | <u> </u>   | _            | _        | <u> </u>   | <u> </u> | _  | <u> </u>   | Ш        |   | i ja |       | 80           |                        |          |          | _        |                 | 4        | 4       | _         | 1    | ŀ               |       | 130          | _        | -        | 4        | _        | _        | _        | $\dashv$ | _         | ᅴ        |
|  | 31       | <u> </u> _                                       | _            |          | <u> </u>   |          | _  | <u> </u>   | $\vdash$ |   | 1.   |       | 81           | Н                      | _        |          | -        | -               | -        | -       |           |      | Ļ               |       | 131          | 4        | -        | 4        | -        | -        | _        | _        | _         | 긕        |
|  | 32       |  | _            |          | ├  | ├        | ├_   | ├  | Н        | _ |      |       | 82           | Н                      | $\dashv$ |          | $\dashv$ | -+              |          |         | - -       | ┨.   | ŀ               |       | 132          | -        | -        | -        | $\dashv$ | $\dashv$ | _        | $\dashv$ | $\dashv$  | ᅴ        |
|  | 33<br>34 | <del> </del>                                     | -            | $\vdash$ | -  | $\vdash$ | -  | $\vdash$   | H        | _ | 1 .  |       | 83<br>84     | $\vdash$               | $\dashv$ |          |          | -+              | +        | - -     |           | -    | 1               |       | 133<br>-134  | $\dashv$ | $\dashv$ | -        | $\dashv$ | $\dashv$ | $\vdash$ | $\dashv$ | $\dashv$  | $\dashv$ |
| <u> </u>   | 35       | $\vdash$   | $\vdash$     | $\vdash$ | $\vdash$   | ┝        | -  | $\vdash$   | $\vdash$ | _ |      |       | 85           | $\vdash$               | -        | $\dashv$ |          | $\dashv$        | $\dashv$ | +       | +         | -    | ŀ               |       | 135          | $\dashv$ | +        | $\dashv$ | $\dashv$ |          | -        | $\dashv$ |           | $\dashv$ |
| $\vdash$   | 36       | $\vdash$   | $\vdash$     | $\vdash$ | $\vdash$   | -        | $\vdash$   | -  | $\vdash$ |   | 1    |       | 86           | $\vdash$               | -        | -        | $\dashv$ | $\dashv$        | +        | +       | +         | -    | $\vdash$        |       | 136          | $\dashv$ | +        | +        |          | -        | -        | -        | $\dashv$  | ᅱ        |
|  | 37       | <del>                                     </del> | $\vdash$     | ┝        | $\vdash$   | $\vdash$ | $\vdash$   | $\vdash$   | Н        | - |      |       | 87           |                        | $\dashv$ | ᅱ        | $\dashv$ | $\dashv$        | ┿        | +-      | +-        | 1    | $\vdash$        |       | 137          | $\dashv$ | ╁        | +        | ᅱ        | $\dashv$ | $\dashv$ | -        | $\dashv$  | $\dashv$ |
| -  | 38       | $\vdash$   | $\vdash$     | $\vdash$ | $\vdash$   | -        | -  | -  | $\vdash$ | _ |      |       | 88           |                        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$        | +        | +       | +         | 1    | +               |       | 138          | $\dashv$ | +        | $\dashv$ | $\dashv$ | $\dashv$ | $\vdash$ | $\dashv$ | $\dashv$  | $\dashv$ |
|  | 39       | -  |              | -        | $\vdash$   | -        | $\vdash$   | <del>                                     </del> | Н        |   | 1    |       | 89           | $\vdash$               | $\dashv$ | ┪        | -+       | -+              | +        | +       | +         | 1    | H               |       | 139          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\vdash$ |          | $\dashv$  | $\dashv$ |
| $\vdash$   | 40       | -  | _            | ┢        | ╁  | $\vdash$ | $\vdash$   | $\vdash$   | $\vdash$ |   | 1    |       | 90           | $\vdash$               |          | ᅥ        | -        | +               | 十        | +-      | +         | 1    | H               |       | 140          | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -        | -        | $\dashv$  | $\dashv$ |
| <del>                                     </del> | 41       | <del>                                     </del> | <del> </del> | -        | t  | $\vdash$ | $\vdash$   |  | Н        | _ | i    |       | 91           | -                      | -        | 7        | -        | $\dashv$        | +        | +       | +         | 1    | ŀ               |       | 141          | $\dashv$ | 十        | +        | $\dashv$ | $\dashv$ | $\vdash$ | _        | $\dashv$  | $\dashv$ |
| <del>                                     </del> | 42       | T  | <u> </u>     | $\vdash$ |  | $\vdash$ |  | $\vdash$   | Н        | _ | 1    |       | 92           | H                      | -        | $\dashv$ | •        | $\dashv$        | +        | $\top$  | +         | 1    | t               |       | 142          | $\dashv$ | 十        | 7        | -1       |          | $\vdash$ | -        | ᅱ         | $\dashv$ |
|  | 43       |  |              | $\vdash$ | T-   | Г        | Т  | Т  | П        |   |      |       | 93           | П                      | 一        | 寸        |          | $\dashv$        | $\top$   | $\top$  | $\top$    | 1    | t               |       | 143          | $\dashv$ | 十        | $\dashv$ | _        |          | $\vdash$ |          | $\dashv$  | $\dashv$ |
|  | 44       |  |              | Т        | T  |          | $\vdash$   | $\vdash$   | П        |   | 1    |       | 94           | П                      |          | 寸        |          | $\dashv$        | $\top$   | $\top$  |           |      | ı               |       | 144          | $\dashv$ | $\top$   | 7        | 一        | $\neg$   | $\Box$   |          | $\neg$    | $\dashv$ |
|  | 45       |  |              | Г        | T  |          | Г  | Π  |          |   |      |       | 95           |                        | $\Box$   | 寸        | $\neg$   | 寸               | $\neg$   | 1       | $\exists$ |      | r               |       | 145          | $\neg$   | $\dashv$ | 1        | $\neg$   |          |          |          | $\neg$    | $\neg$   |
|  | 46       | <u> </u>   |              | Ī        | Π  |          |  | Г  |          |   |      |       | 96           |                        |          |          | $\Box$   | $\Box$ †        | $\top$   | $\top$  |           |      | T               |       | 146          |          | $\top$   |          |          |          |          | $\neg$   | $\exists$ | $\neg$   |
|  | 47       |  |              |          |  |          |  |  |          |   |      |       | 97           |                        |          |          |          |                 |          | ⋾       |           |      |                 |       | 147          |          |          |          |          |          |          |          |           | $\Box$   |
|  | 48       |  |              |          |  |          |  |  |          |   |      |       | 98           |                        |          | ╗        | $\Box$   | ╛               |          |         | $\perp$   | ]    |                 |       | 148          |          |          |          |          |          |          |          |           |          |
|  | 49       |  |              |          |  |          |  |  |          |   | 20   |       | 99           |                        |          |          |          |                 | $\Box$   | I       | I         | 14.  |                 |       | 149          |          |          |          |          |          |          |          |           |          |
|  | 50       |  |              |          | 匚  |          |  |  |          |   |      |       | 100          |                        |          |          |          | $\Box$          |          |         |           | ].   |                 |       | 150          |          |          |          |          |          |          |          |           |          |